

MISSION ANALYSIS

- LOWER STERNGATE
- CONDUCT STERNGATE MARRIAGE
- OFFLOAD TO WELL DECK
- ACCOUNT FOR AMMUNITION
- CAST OFF LCM-8
- TRANSPORT FROM WELLDECK TO AFT MAGAZINE
- ACCOUNT FOR AMMUNITION

IDENTIFY HAZARDS

- INEXPERIENCED CREW
- ELECTROMAGNETIC RADIATION
- EXPLOSION
- DROPPED AMMUNITION
- INCLEMENT WEATHER
- FIRE
- INCIDENTAL EMERGENCY
- MAN OVERBOARD
- HEAT EXHAUSTION
- LINE HANDLING
- LOSS OF AMMUNITION
- SLIPPERY CONDITIONS
- FATIGUE
- INAPPROPRIATE PPE
- COMMUNICATIONS
- UNAUTHORIZED PERSONNEL

HAZARD ANALYSIS TOOLS

- “WHAT IF”
- PHA

PRELIMINARY HAZARD ANALYSIS

- LOWER STERNGATE
 - NOT UNDOGGED
 - MECHANICAL FAILURE
 - OPERATOR ERROR
 - POOR TIME MANAGEMENT
 - UNQUALIFIED PERSONNEL

PRELIMINARY HAZARD ANALYSIS

- CONDUCT STERNGATE MARRIAGE
 - NO COMMS WITH LCM-8
 - CRAFTMASTER LOSES CONTROL
 - EXCESSIVE SPEED
 - IMPROPER LINEHANDLING
 - IMPROPER BATTLE DRESS
 - WAVES FROM PASSING CRAFT
 - MAN OVERBOARD

PRELIMINARY HAZARD ANALYSIS

- OFFLOAD TO WELLDECK
 - DROPPED AMMUNITION
 - UNQUALIFIED SUPERVISORS
 - PERSONAL INJURY
 - PPE
 - SLIPPERY WELLDECK
 - CRAFT SHIFTING WHILE TIED OFF
 - MISCOMMUNICATION

PRELIMINARY HAZARD ANALYSIS

- ACCOUNT FOR AMMUNITION
 - MISSING AMMUNITION
 - IMPROPER COUNT
 - LOSS OF SITUATIONAL AWARENESS
 - IMPROPER PAPERWORK

PRELIMINARY HAZARD ANALYSIS

■ CAST OFF LCM-8

- IMPROPER LINE HANDLING
- TRAFFIC IN HARBOR
- MISCOMMUNICATION BTWN WELLDECK & CRAFTMASTER

PRELIMINARY HAZARD ANALYSIS

■ TRANSPORT AMMUNITION FROM WELL DECK TO MAGAZINE

- **LADDER HAZARD (DOMINO EFFECT)**
- **FATIGUE**
- **DROPPED AMMUNITION**
- **PPE**
- **IMPROPER MAINTENANCE ON LADDERS**
- **UNAUTHORIZED PEOPLE**
- **FIRE/INPORT EMERGENCY**
- **UNQUALIFIED SUPERVISORS**
- **TEMPERATURE/HEAT**
- **MISCOMMUNICATION**
- **STOWAGE**
- **INOPERATIVE MAGAZINE SPRINKLERS**

PRELIMINARY HAZARD ANALYSIS

- ACCOUNT FOR AMMUNITION
 - MISSING AMMUNITION
 - IMPROPER COUNT
 - LOSS OF SITUATIONAL AWARENESS
 - IMPROPER PAPERWORK

“WHAT IF” ANALYSIS

- **SIGNIFICANT CHANGE IN WEATHER**
- **THERE IS A DELAY IN LCM-8 ARRIVAL**
- **THERE IS A HERO VIOLATION**
- **DROPPED/EXPLODED AMMUNITION**
- **LOSS OF FIREMAIN**
- **LOSS OF ELECTRICAL POWER**
- **NOT ENOUGH PEOPLE FOR WORKING PARTY**
- **IMPROPERLY PACKAGED AMMUNITION**
- **THE TWO AMMUNITION COUNTS DON'T MATCH**
- **MAGAZINES DON'T PASS CERTIFICATION**
- **EMERGENCY IN ANOTHER SPACE**
- **BRIEFED ROUTE IS FOULED**
- **COMMUNICATIONS FAIL**

CONTROLS

HAZARD	CONTROL	RAC
INEXPERIENCED CREW	TRAINING PRIOR TO	2
ELECTROMAGNETIC RADIATION	SET HERO I	3
DROPPED AMMO	TWO-HAND CONTROL	3
INCLEMENT WEATHER	POSTPONE	5
INPORT EMERGENCY	CONTINGENCY PLAN	4
MAN OVERBOARD	SAFETY OBSERVER	4
HEAT EXHAUSTION/FATIGUE	DRINK WATER, ROTATE PERSONNEL	3
LOSS OF AMMO	TWO-PERSON COUNT	4

CONTROLS

HAZARD	CONTROL	RAC
SLIPPERY CONDITIONS	PPE, MOVE AT SAFE SPEED	2
COMMUNICATIONS	PERIODIC COMM CHECKS & ALT METHODS	4
UNAUTHORIZED PERSONNEL	1MC, SAFETY OBSERVERS ENFORCE	3
LINEHANDLING	SAFETY OBSERVERS, TRAINING	3

MAKE RISK DECISIONS

- HOLD SAFETY BRIEF AND CONDUCT EVOLUTION



SUPERVISE